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(FILE 'HOME' ENTERED AT 13:03:33 ON 11 JAN 2008)

FILE 'REGISTRY' ENTERED AT 13:03:50 ON 11 JAN 2008

L1	1	S	2-PENTANOL/CN
L2	1238	S	2-HEPTANOL
L3	1	S	2-HEPTANOL/CN
L4	1247	S	2-OCTANOL
L5	1	S	2-OCTANOL/CN
L6	1	S	2-NONANOL/CN
L7	1	S	1-PENTEN-3-OL/CN
L8	1	S	1-HEXEN-3-OL/CN
L9	1	S	3-HEXANOL/CN
L10	1	S	3-HEPTANOL/CN
L11	1	S	3-OCTANOL/CN
L12	0	S	PENTAN-2-ONE/CN
L13	1	S	2-PENTANONE/CN
L14	0	S	2 HEPTANONE/CN
L15	1	S	2-HEPTANONE/CN
L16	1	S	2-OCTANONE/CN
L17	1	S	2-NONANONE/CN
L18	1	S	1-PENTEN-3-ONE/CN
L19	1	S	1-HEXEN-3-ONE/CN
L20	0	S	1-HEPTAN-3-ONE/CN
L21	0	S	1-OCTAN-3-ONE/CN
L22	0	S	HEPTAN-3-ONE/CN
L23	0	S	OCTAN-3-ONE/CN
L24	1	S	3-HEPTANONE/CN
L25	1	S	3-OCTANONE/CN

FILE 'CASREACT' ENTERED AT 13:16:12 ON 11 JAN 2008

L26	255	S	L1
L27	710	S	L13
L28	0	S	L26 (W) L27
L29	107	S	L26 AND L27
L30	287	S	GLUCONOBACTER? OR ACETOBACT?
L31	0	S	3-HEXANONE/CN
L32	461	S	3-HEXANONE
L33	107	S	L1 AND L13
L34	94	S	L3 AND L15
L35	374	S	L5 AND L16
L36	25	S	L6 AND L17
L37	4	S	L8 AND L19
L38	44	S	L9 AND L32
L39	38	S	L10 AND L24
L40	0	S	L 11 AND L25
L41	49	S	L11 AND L25

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L42          598 S L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L41
L43            2 S L30 AND L42

     FILE 'CA, USPATFULL, PCTFULL, BIOSIS, MEDLINE, AGRICOLA' ENTERED AT
     13:26:16 ON 11 JAN 2008
L44        10566 S L1 OR L3 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11
L45         3016 S L1
L46       194245 S ?PENTANOL OR ?HEPTANOL OR ?HEXANOL OR ?HEPTANOL OR
?OCTANOL O
L47        12899 S GLUCONOBACTER? OR ACETOBACT?
L48      3608480 S MICROORG?
L49          182 S L46 AND L47
L50          141 S L48 AND L49
L51         9161 S L46 AND L48
L52           15 S L51 AND 12884
L53           15 DUP REM L52 (0 DUPLICATES REMOVED)

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L16 ANSWER 7 OF 16 CA COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 120:321530 CA <<LOGINID::20080107>>
TITLE: Oxidation of **alcohols** with immobilized microorganism
INVENTOR(S): Oda, Shinobu
PATENT ASSIGNEE(S): Kansai Paint Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06000090	A	19940111	JP 1992-186024	19920619

PRIORITY APPLN. INFO.: JP 1992-186024
19920619
OTHER SOURCE(S): CASREACT 120:321530

AB **Alcs.** dissolved in water-insol. or immiscible organic solvents are oxidized with microorganism (which are capable of oxidizing primary and/or secondary OH) immobilized on hydrophilic supports in the presence of aqueous media. Rhodococcus equi JCM 3730 was inoculated on an agar plate containing polypeptone, yeast estimate, and MgSO4 and still-cultured with n-hexadecane solution of 2-octanol at 30° for 7 days to manufacture 20.7 g 2-octanone/L, vs. <0.1 g/L, when shake-cultured in a similar liquid medium.

L16 ANSWER 8 OF 16 CA COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 115:69878 CA <<LOGINID::20080107>>
TITLE: Asymmetric reduction of **ketones** with enzymes from acetic acid bacteria
AUTHOR(S): Adlercreutz, Patrick
CORPORATE SOURCE: Chem. Cent., Univ. Lund, Lund, S-221 00, Swed.
SOURCE: Biotechnology Letters (1991), 13(4), 229-34
CODEN: BILED3; ISSN: 0141-5492
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 115:69878

AB Six strains of acetic acid bacteria were evaluated with respect to their capability to catalyze the stereoselective reduction of **ketones.** The cells were permeabilized before the bioconversions. The best strains were **Gluconobacter** oxydans DSM 50049 and **Acetobacter** aceti DSM 2002. Using either of these 2 strains it was possible to reduce all 12 **ketones** to (S)-**alcs.** with an enantiomeric excess of ≥94%. The highest level of enzymic activity was found in A. aceti DSM 2002.

L16 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:469878 CAPLUS <<LOGINID::20080107>>
DOCUMENT NUMBER: 115:69878
TITLE: Asymmetric reduction of **ketones** with enzymes from acetic acid bacteria
AUTHOR(S): Adlercreutz, Patrick
CORPORATE SOURCE: Chem. Cent., Univ. Lund, Lund, S-221 00, Swed.
SOURCE: Biotechnology Letters (1991), 13(4), 229-34
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OTHER SOURCE(S): CASREACT 115:69878

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